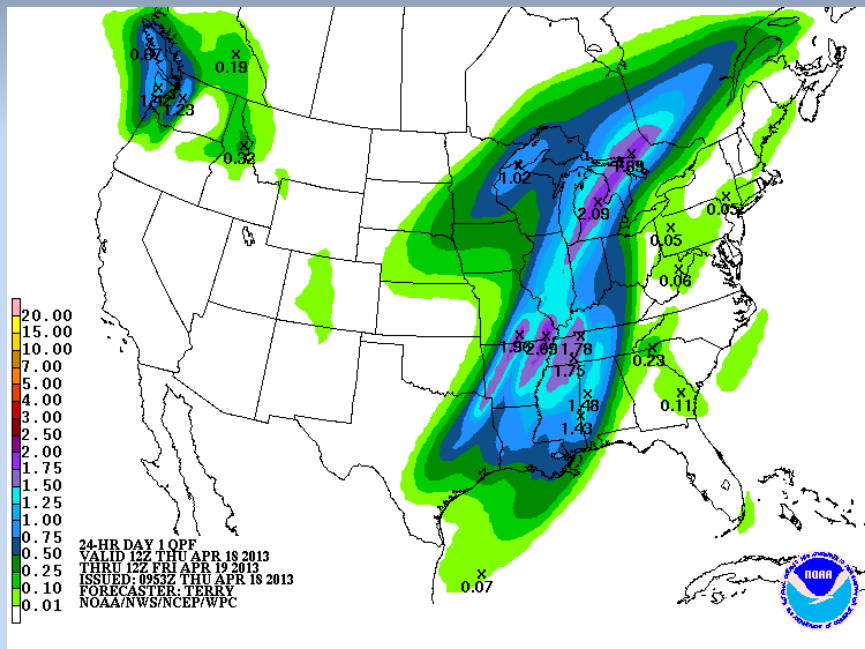




Major River Flooding Severe Weather Possible



Slide #1



Additional Rainfall Possible Through early Friday

Event Summary

Tornado Watch through 6pm

**Additional 1"-2" of rain on top of
1"-3" already received**

**Major to record river flooding in
some locations**

Roads Washing Out

Created: Thursday, April 18, 2013 – 100 PM



Find us on
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NOAA National Weather Service - Grand Rapids, Michigan

Website: <http://www.weather.gov/grandrapids>

Email: w-grr.webmaster@noaa.gov

Phone: 616-949-0643



@NWSGrandRapids
#wmiwx





Additional Rainfall

Through Early Friday



Slide #2

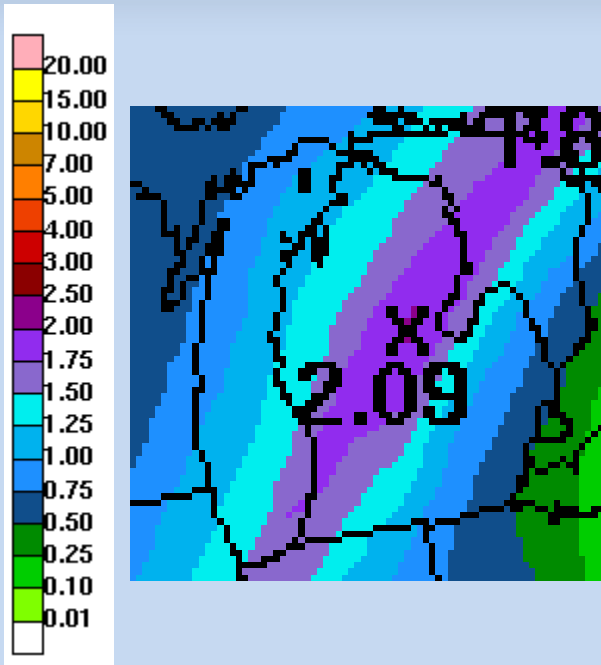
Rainfall Forecast

**Widespread 1" to 2" additional rain
(storm total 2"-5")**

Periods of heavy rain today

**Urban/Rural Flooding and
Road Washouts Are Ongoing**

Rain ends Friday morning



Additional Rainfall Possible Through Early Friday



weather.gov/grandrapids



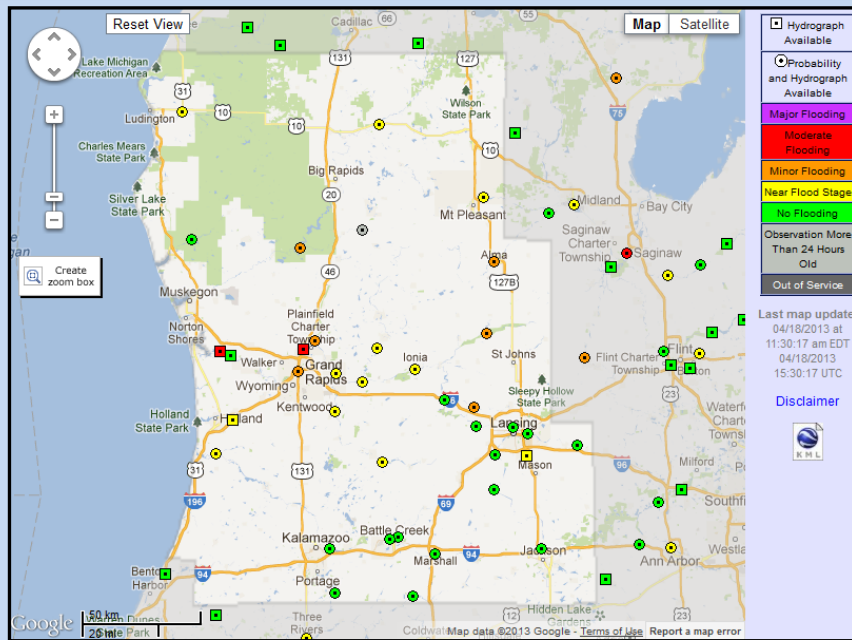


River Flooding Continues

Slide #3



River Flooding Will Last for Days



Moderate to Major Flooding on the Grand, Muskegon, White, Pere Marquette, Chippewa, Pine

Evacuations are underway in Ionia County

Some major to unprecedented impacts to properties along area rivers

Some city centers may be impacted by significant river flooding

**Click Above for Latest River Levels
Flood Advisories and Flood Warning**

weather.gov/grandrapids





River Flooding Information



Slide #4

[Click Here For River Levels, Flood Advisories and Flood Warnings](#)

Major Flooding Typically Results in

Significant to Catastrophic
Life-Threatening Flooding
Structures May Be Completely Submerged
Large-Scale Evacuations May Be Needed

Moderate Flooding Typically Results in

Inundation of Some Buildings Likely
Road Closures and Some Areas Cut Off
Some Evacuations May Be Necessary

Minor Flooding Typically Results in

Limited Property Damage
Some Public Threat or Inconvenience

What

- Significant river flooding, and in some cases major to record flooding

When

- Streams/Creeks: **Moderate Flooding** to **Major Flooding** into the Weekend
- Larger Rivers: **Moderate Flooding** to **Major Flooding** beginning this Weekend

Where

- All of Southern Lower Michigan
- Grand, Chippewa, Pine, Muskegon, White and Pere Marquette Rivers

Forecast Confidence

- High Confidence: **Minor Flooding** of Small Creeks and Streams Will Occur
- High Confidence: **Minor Flooding** of Some Larger Rivers Will Occur
- Medium Confidence: **Moderate Flooding** of Large Rivers Will Occur
- Medium Confidence: **Major Flooding** of Large Rivers Will Occur



Severe Weather Information



What	<ul style="list-style-type: none">• Lines of strong to potentially severe thunderstorms• Periods of flash flooding possible (water over roads, road washouts)
When	<ul style="list-style-type: none">• Through early evening (Tornado Watch in effect through 6pm)
Where	<ul style="list-style-type: none">• South of a Pentwater to Clare line, with greatest threat area along I-94
Forecast Confidence	<ul style="list-style-type: none">• High Confidence: Areas of Damaging winds ≥ 58 mph• Medium Confidence: Large Hail ≥ 1" diameter• Low Confidence: Isolated Tornadoes



Severe Weather Potential

Thursday, April 18th



Slide #5

Severe Weather Possible Thursday, April 18th



Damaging Winds with Some Hail

Isolated Tornadoes Possible

Flash Flooding Possible

Today into Early Evening

**Best Chance for Severe Weather Potential
Along/south of I-94**

**Click on the Image for the Most Current
Severe Weather Outlooks for this Week**

weather.gov/grandrapids





Event Summary



Slide #6

Widespread 1" to 2" bringing the event total to 2"-5"

Moderate to Major River Flooding Expected

Some Severe Thunderstorms Possible Today

[Click Here For River Levels, Flood Advisories and Flood Warnings](#)



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For Additional Information



Slide #7

Links Below are Clickable in PDF File of the Briefing

Briefing Slides

www.weather.gov/grandrapids/webinars

Rainfall Forecast By Day

<http://go.usa.gov/Tbwe>

Regional Weather Radar Loop

www.weather.gov/radar

Severe Weather Outlooks

<http://www.spc.noaa.gov>

Hazard Summary Page

www.crh.noaa.gov/hazards/grr



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